Next GARS Meeting is

## The GARzef1

http://www.gars.org/







December 2011













Manufacturers Day at HRO What a Great Event!

## A Note from the President

ne of the most fascinating aspects about amateur radio is its numerous facets. You do not have to lock yourself into just one part. You can freely (by will power, not cost) move from one genre to another at your own pace, taste, and fancy. As part of my preparations for winter indoor amateur radio activities, I made it a priority to finish setting up and start using my Logbook of The World (LoTW) account this month. (If you want to know more about LoTW and QSLs, we have an upcoming meeting about it early next year)



Kyle Albritton W4KDA and Gordon West WB6NOA

ith the help and support of my extended GARS family this blossomed into something else quite unexpected. I learned that I had QSL confirmations waiting for me at eQSL and I was taught how to download them and insert them into LoTW. I also learned how to enter paper logs into LoTW and converted some of my more interesting ones. I figure that by confirming contacts on LoTW I may be providing a critical state, county, country (doubtful), or other contest need for someone. In some ways I feel it is my duty to turn those logs in so the other guy gets credit for the contact.

o now the crux of my point. Once you get these golden contact logs into LoTW the ARRL site gives you some nice statistics. For me, the statistics show that I have already worked many states and entities. While having fun with six meters and HF, I unexpectedly find that I am well on my to having several awards such as Worked All States without trying. DXCC is far out on the horizon (pun or no pun?), yet it no longer seems insurmountable.

ut I am not a paper chaser. Being completely honest with myself, I have always maintained that having awards on my wall is not something I am interested in. Still, I notice an interesting transition is happening. I find myself thinking, "ah Maine, that's a state I need." Need??? Uh oh! It seems a new facet of amateur radio may be just around the corner.

peaking of around the corner, the GARS Holiday Party is coming up. Friday December 16<sup>th</sup> is the date and it should be a great deal of fun. I hope to see everyone there. It will not be long before 2012 is upon us. I predict it will be another great year for GARS and amateur radio.

ishing you great health, wealth, and may your DX be S9,

Kyle W4KDA

## So What's an LXpediton?

There is a small group of hams centered in the Atlanta area, but not restricted to this area that call themselves the LXPediton Group. You can find them on Yahoo, but you can't join unless you have an interest in operating from or with someone that is set up temporary at an announced time and place. For Veterans Day, we setup in Holcomb Bridge Park just outside Norcross on 140 west. I don't go out with the group often, but I have worked several excursions from my home QTH.







AntennaS were: a Mystery Antenna, Dipole, and I believe the third was a Long Wire. We were in operation by 11:11 on the 11th of November. We made a few contacts, ate lunch tore down and went home. It wasn't a terribly exciting event, but it was fun practicing installing antennas, using battery power for 100 watt rigs, and talking with a few Special Event stations that were set up just for Veterans Day.

Participating were Bill, KB4KFT, Mike KF4UPO, Dick, K2UFT and yours truly, WA4ZXV.

If you think you would be interested in taking part in such events, let me know and I'll try to keep you informed of some of the activities. It's fun to get out and play radio.

Norm, WA4ZXV

## Did you know?

GARS has it's very own YouTube channel! Check it out!

http://www.youtube.com/user/garsw4gr

Thanks to Jeff, AB4HF, GARS now has this YouTube Channel for sharing the videos he has taken during various GARS events. The picture to the right is a representation of what you will see if you click on the link above. Tell your friends about it!

Jeff's e-mail: ab4hf1@gmail.com



## GARS Members Get a Chance to Fly the Big Birds.....Almost

I was flying co-pilot in the Canadair Regional Jet when we noticed it was snowing outside the cockpit windows. The tower asked us to hurry our take-off before they closed the airport. My son started his takeoff roll and immediately climbed into the clouds – zero visibility. We had only a brief glimpse of the city and the Hudson River when all the alarms went off in the cockpit. Our left engine was on fire. As he throttled back on the left engine, I pushed all the extinguisher buttons. We got the jet under control but keeping a proper attitude was difficult with only one engine. I found my son



physically leaning on the yoke as he brought it around for an emergency landing on runway 13R (JFK's longest). In the last few seconds ......

Even though the above scenario actually happened, the good news was we were in a flight simulator and were able to walk away. GARS was recently invited to visit Flight Safety International, near Hartsfield-Jackson International Airport, as part of a community outreach program. Flight Safety International's main purpose is to train military and commercial pilots in new equipment where they can work out the "kinks" before they step into the actual equipment. Alan Murray (W4AJM), our host, said the pilots generally spend a week to two weeks in classroom study before they step into the simulators. The simulators are electronic and mechanical marvels that cost around \$15M each. In many cases the simulators cost more than the actual jets they represent.

GARS members were shown into a conference room for a brief pre-flight. We also had a chance to meet our simulator operators and other members of the team that graciously offered up their Saturday morning to help train us. The attendees were taken to the simulators in five groups of two. The simulators included a few Lear Jets and the Canadair Regional Jet. Each visitor received about 15 minutes of flight time (Just enough time to take off from JFK, circle NYC, then bring it around for the landing). Those members not in the simulators were given presentations on R/C Gliders then given a demo of a gas-powered R/C Truck out in the parking lot.

The hospitality that was shown to our group went way beyond the scope of a normal show-and-tell. Everyone that attended agreed that this was an experience of a lifetime. In addition to the gifts that were given to commemorate our visit almost everyone left with shaky hands and sweaty palms.

Ralph Pickwick KJ4CNC



## **Scenes from Stone Mountain Hamfest**



December 2011 - **The GARzette** - Page 5

## **Gwinnett Amateur Radio Society Yearly Party**

## Come join us for a great time with Dinner and Live Entertainment!

Friday December 16th at 6:30 pm at the EAA Building
This is the regular club meeting location

You may pay for the Holiday Party - \$12.00 per person - via <a href="http://www.gars.org">http://www.gars.org</a> (must get your tickets by Dec. 12)

## — Pictures from our 2010 Party —



## **KB6NU's Ham Radio Blog**

#### A Special (Event) Day at WA2HOM

Posted: 03 Dec 2011 03:46 PM PST

I had a special day at WA2HOM today...a special event day, that is.

First of all, it was **SKYWARN Recognition Day** today. There were **more than 100 National Weather Service amateur radio stations** on the air today (see map below).



More than 100 NWS amateur radio stations were on the air today for SKYWARN Recognition Day.

I managed to work eight of them including stations in FL, IL, KS, KY, MA, TN, TX, and VA.

I also contacted several stations participating in the **Southeastern Conference (SEC) Amateur Radio Clubs Special Event**. This operating event was held in conjunction with the SEC championship football game. I was able to work three of the stations: **AA4UT** (Univ. of Tennessee), **W4DFU** (Univ. of Florida), and **W5YM** (University of Arkansas). It was great to hear so many college club stations on the air.

One thing that I found a little curious is that the event lasted only from 8:00 am to 1:00 pm. Then, it hit me. The game must have started at 1:00 pm. D'oh!

I worked two stations commemorating the attack on Pearl Harbor. The first, **N4WIS**, was aboard the battleship U.S.S. Wisconsin in Norfolk, VA. The second, W2W, was located at the National Electronics Museum in Baltimore, MD.

When I wasn't busy working the special event stations, I managed to sneak in a couple of DX contacts. The first, VP2MOR, was on the island of Monserrat. The second, NH7U, is on the island of Molokai in Hawaii. It was kind of neat to work NH7U as I've actually been to Molokai.

In addition to all these great contacts, I was able to give a couple of demos to interested museum patrons. That rounded off a really special day down at WA2HOM.

Copied with permission of KB6NU, Daniel M Romanchik

#### -- 60-METER BAND CHANGES --

On 18 November 2011, the FCC released a Report and Order with new 5MHz rules for the 60-meter band to take effect 30 days after publication in the Federal Register.

The FCC adopted the use of the name "60 meter band" to refer to 5MHz amateur radio in the frequency range 5330.5-5406.4 kHz, but USA General, Advanced and Amateur Extra class hams are still only allowed to transmit on 5 specific channels in the band.

The FCC changed the rules to allow Phone (USB only), RTTY, Data, and CW; with specific limitations on the use of these modes. Data or RTTY operators must be careful to limit the length of transmission to avoid causing harmful interference to US Government stations.

60-Meter Channel Frequencies

#### Suppressed Carrier VFO Dial freq:

5330.5 kHz USB (center of channel = 5332.0) 5346.5 kHz USB (center of channel = 5348.0)

5357.0 kHz USB (center of channel = 5358.5)

#### New!

5371.5 kHz USB (center of channel = 5373.0) 5403.5 kHz USB (center of channel = 5405.0)

Note: The FCC deleted the channel at 5366.5 USB (center=5368.0) and "replaced" it with channel 5357.0 kHz USB (center=5358.5)

The maximum allowed power level is now 100 Watts PEP (ERP) effective radiated power referenced to a dipole. If another type of antenna is used, the station licensee must maintain a record of either the antenna manufacturer's data on the antenna gain or calculations of the antenna gain.

Upper Sideband Phone, Data, or RTTY transmissions may use dial (VFO) USB suppressed carrier frequency at 1.5 kHz below the center of the channel. Transmissions must not exceed the 2.8kHz bandwidth channel. RTTY modes such as PSK31 must not exceed 60Hz necessary bandwidth. Data modes must not exceed 2.8 kHz bandwidth. CW bandwidth must not exceed 150Hz bandwidth and the CW frequency should be at the center of the channel.

NOTE: Data stations operating under Section §97.221 automatically controlled digital station, are not allowed on these 5MHz channels.

(Thanks to Dan Schaaf-K3ZXL for this summary of the very long FCC R&O.)

Copied from the Tamiami Amateur Radio Club Newsletter, via Bruce—WA8IQF. Thanks Bruce. [Ed]

#### "WHAT DO YOU MEAN THE HF RIG IN MY SLEIGH WON'T BE REPAIRED BY CHRISTMAS?"



## **GARS Email Group**

http://groups.yahoo.com/group/GARS/

Join the GARS Yahoo Group if you are not already a member. To do so, go to the GARS Yahoo Group web site (<a href="http://groups.yahoo.com/group/GARS/">http://groups.yahoo.com/group/GARS/</a>) and then click on the <a href="Join This Group!">Join This Group!</a> link on the main page.

If you have joined the group, you can Post a message by sending an email to GARS@yahoogroups.com

The Yahoo Group is for GARS friends and members to share information, ask questions, and make announcements.

This is your group and each member is welcome to post questions or comments relating to amateur radio. Use it! With all the new hams in the area, this is great place to ask for help. There's someone out there reading the emails that can help.

#### To Learn & Have Fun



- · 147.075+ 82.5
- Meetings 2nd Tuesday Jan-Nov
- · Multiple nets every week
- Gigantic Field Day
- · Large, Active, Diverse Club
- Family Oriented

www.gars.org

Also, join us on **facebook**: <a href="http://www.facebook.com/groups/315255321681/">http://www.facebook.com/groups/315255321681/</a>

Hands-Only™ CPR



Call 911



Push hard and fast in the center of the chest.

Learn more at handsonlycpr.org

American Heart Association

#### The GARzette

The *GARzette* is the official monthly newsletter of the Gwinnett Amateur Radio Society, serving its members and other persons interested in the advancement of the amateur radio art.

Original articles, art, and photos are invited and encouraged. Previously copyrighted submissions cannot be accepted for reprinting unless permission from the appropriate publisher is provided in writing along with the information being submitted. If reprints are from publications allowing their unrestricted use, please include a copy of the printed permission contained in the publication.

If possible bring your articles to the monthly meeting in Microsoft Word or rich text (.rtf) or text or HTML format or by email to n4gyn@arrl.net. Artwork can be accepted in most any graphics format and can be submitted via email to the same address. Alternate means of submittal can be arranged when necessary.

In keeping with the amateur radio spirit, permission is hereby granted for the reproduction of The GARzette articles by other amateur radio club newsletters provided that proper credit is given to the individual author and *The GARzette*.

The GARzette is published each month with the assistance of Norm Schklar, who prints and distributes the news letter. <u>Deadline for submissions</u> is the <u>20th of each month</u> for inclusion in the <u>following month</u>'s issue.

Meetings are held on the 2nd Tuesday of each month at 7PM.

For additional information view our Website at: <a href="http://www.gars.org">http://www.gars.org</a>

Newsletter Editor: Ray Bailey—N4GYN 770-689-6620 or n4gyn@arrl.net

# JOIN ARRL - OR RENEW YOUR MEMBERSHIP THROUGH GARS

Help the GARS Treasury by applying for ARRL membership or renewing your ARRL membership through GARS. By applying for ARRL membership through GARS we are able to keep \$15.00 of the normal membership fee for our Treasury. We can keep \$2.00 from each renewal.

Show your support for <u>both</u> organizations by applying through GARS.

Ralph Pickwick – KJ4CNC, GARS Treasurer, will have the ARRL applications at the monthly meetings for your use. We only ask that you don't wait until the last minute to renew, as we will only be sending the applications to ARRL on a monthly basis. We will only be accepting personal checks with the applications (no PayPal).

If you have any questions concerning this process, please contact Ralph at KJ4CNC@arrl.net.



#### **UPCOMING HAMFEST CALENDAR**

#### SouthEast US



#### 01/14/2012 | TechFest

Location: Lawrenceville, GA

Type: ARRL Hamfest

**Sponsor: Gwinnett Amateur Radio Society** 

Website: http://gars.org

#### 02/04/2012 | South Carolina State

#### Convention

Location: Ladson, SC Type: ARRL Convention

Sponsor: Charleston Amateur Radio Society

Website: http://www.wa4usn.org

#### 02/18/2012 | Freeze Fest

Location: Locust Fork, AL

**Type:** ARRL Hamfest

Sponsor: Blount County Amateur Radio Club

Website: http://w4blt.org

#### 02/25/2012 | **Dalton Hamfest**

**Location**: Dalton , GA **Type**: ARRL Hamfest

**Sponsor:** Dalton Amateur Radio Club **Website:** http://DaltonHamfest.com

## 03/03/2012 | Alabama Section Convention (BirmingHamfest)

Location: Birmingham, AL

Type: ARRL Convention pending Executive Committee ap-

proval

Sponsor: Birmingham Amateur Radio Club

Website: http://w4cue.com

#### 05/12/2012 | Heart of Georgia Hamfest

**Location:** Byron, GA **Type:** ARRL Hamfest

Sponsor: Central GA ARC, Middle GA Radio Club, &

BMSRC

Website: http://wa4ort.com

## **BSA Venture Crew 73 Wants You**

If YOU are between 14 and 21 years old, enjoy outdoor activities, and have an interest in radio technology,

#### **Venture Crew 73 is for you.**

- Venture Crews are part of the Boy Scouts of America.
- Venture crew 73 is chartered by the Gwinnett Amateur Radio Society.
  - Venture crew 73 is coed.
  - Meetings are on the second Tuesday of the month, 7:00 p.m., at EAA 690 Hangar at: Briscoe Field - Sports Aviation Complex Hangar 1, 690 Airport Road Lawrenceville, GA 30045
  - Crew 73 is a youth-run organization, which means that our Crew President and other youth plan the Crew's outings and activities each month.

#### We enjoy:

- o Camping
- o Hikina
- o Horseback Riding
- o Shooting Sports
- Crew activities usually mix high adventure and the use of Amateur Radio.
- For more information, attend our next meeting or contact:

Steve Back, WB2OGY Venture Crew 73 Committee Chairman Phone: 770-712-9069

Email: committeechair@venturecrew73.org

Jeff Lee, AF4JL Venture Crew 73 Advisor Phone: 678-475-3165

Email: advisor@venturecrew73.org





#### **GARS Officers** and **Committee Chairs**

Kyle Albritton, President

W4KDA

Earl Whatley, Vice President AF4FG

Hal Collier, W4IGE Secretary

Ralph Pickwick, KJ4CNC Treasurer, Apparel Manager

Sandy Jackson, Program Manager KJ4DRO

W4DTR Dave Bruse. Membership Chairman, VE Team

David Adcock, KA4KKF Webmaster, Field Day Chairman

N2DLI Dorothy Jubon Public Information Officer

Norm Sckhlar, WA4ZXV TechFest Chairman

Ray Bailey,

GARzette Editor

N4GYN

Multimedia Chairman

AB4HF

Bill Cherepy, W4GR Trustee WB4WTN

Eddie Foust. Repeater Chairman WD4JEM

Mike Weathers, WAS-Checker

ND4V

Scott Brown, Net Manager

KD4YDD

Mike Swiderski, Technical Advisor K4HBI

#### **GARS Communications**

2 Meter Repeater 147.075(+) MHz 82.5 PL Tone

2 Meter Repeater 147.255(+) MHz 107.2 PL Tone

144.390 -- 1200 Baud W4GR

6 Meter Repeater 53.110 (-1 MHz) 82.5 PL Tone

D-Star WD4STR 145.060 + (1.4 MHz) 440.550 + (5 MHz)

70 Cm Repeaters 444.525(+) MHz 82.5 PL Tone 442.100(+) 82.5 PL Tone

Main Repeater Site Oak Street, Lawrenceville

Backup Repeater Site Lanier Mountain, Snellville



# The following members are celebrating birthdays in December:



First Name	Last Name	Call Sign
David	Adcock	KA4KKF
David	Joyce	KK4FHF
Richard	Atkin	KJ4ZTY
Steven	Back	WB2OGY
Joel	Barrett	W4JOL
Bob	Drumm	N4YT
John	Harmon	N4JCH
John C.	Hughes	KA4ATX
Jack	Perry	K6JLP
Ralph	Pickwick	KJ4CNC
Bill	Raybun	KE4GUM
Norman	Schklar	WA4ZXV
Susan	Swiderski	AF4FO
Michael	Warfield	AI4NB
Thomas	Whalen	KE4UXW
Amy	Woodrick	KE4IKF
Eriks	Zusmanis	KI4TBC

#### **GARS Recurring Calendar**

Monthly club meeting is the 2nd
 <u>Tuesday</u> of the month at 7 p.m. Exception! - December meeting is our
 Holiday Party, Fri. Dec. 16th!
 <u>Every Monday</u> at 8 p.m.: GARS Want,
 Swap, Sell, and Information Net on the
 GARS 2-meter repeater.

Every Thursday at 9 p.m.: GARS Round Table Net, 2 & 6 Meters Every Saturday at 7:30 a.m.: GARS Weekly Family Breakfast, Golden Corral Restaurant, Riverside Drive, Lawrenceville.

#### Meeting Minutes GARS General Meeting Nov. 8, 2011

Kyle Albritton, W4KDA, GARS President, called the meeting to order at 7:03pm at the EAA building.

Introductions of first time visitors and others present.

Kyle Albritton, W4KDA, announced that the Stone Mountain Hamfest went well.

Treasurer's Report - Ralph Pickwick, KJ4CNC

Membership – Dave Bruse, W4DTR, reported the following: Cate Donoghue, K8TFU, voted in as new member.

Phillip Greene, WA4TOL, voted in as new member.

Dewey Morgan, KK4DJA, voted in as new member.

David Duarte, KD4FAO, voted in as new member.

Ryan Haney, KJ4DRN, voted in as new member.

William Eggers, WB2RIS, voted in as new member. GARS has 189 active members

Program Manager – Sandy Jackson, KJ4DRO, announced:

January's program will be "QSL cards and Logbook of the World" by Mike Weathers, ND4V.

February's program [name is yet to be determined,] by John Ackermann, N8UR.

#### There will be no regular monthly meeting in December.

The Christmas Party will be on Dec 16<sup>th</sup> at 6:30pm at the EAA Building. Tickets will be \$12 per person.

Kyle Albritton, W4KDA, reminded everyone about the flight simulator fundraising event on Nov 12th. For a \$25 donation to the repeater fund, you can have 30 minutes in a real flight simulator. To reserve a spot contact Kyle at w4kda@arrl.net.

Dave Bruse, W4DTR, announced the VE session on Nov 20th at 3pm at the masonic lodge. **There will be no December VE session.** 

Ray Bailey, N4GYN, reminded everyone that he needs articles, pictures and stories from the past for the Garzette.

Kyle Albritton, W4KDA, reminded everyone about HRO Manufacturer's Day is on December 3<sup>rd</sup>. The club will have a table setup at HRO and will serve popcorn.

Norm Schklar, WA4ZXV, reminded everyone about Techfest on January 14<sup>th</sup>. It will be held at the Gwinnett Hospital System Resource Center. There will be 10-15 tables demonstrating methods and modes of amateur radio communications.

Bill Acres, WB2RAS, encouraged club members to support "Wreaths Across America" by donating money for wreaths to place at the graves of fallen service members. The club voted and agreed to sponsor 4 wreaths.

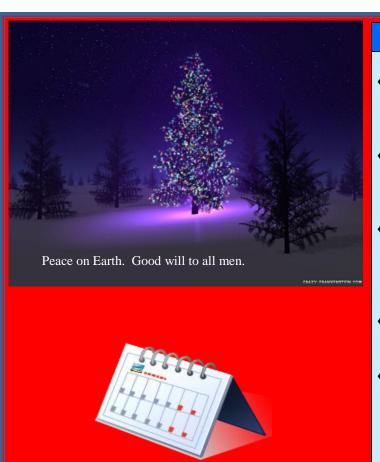
Break

Program was "Practical APRS in North Georgia" given by John Gorkos, AB0OO.

Prize Drawing

Meeting ended at 9:10pm

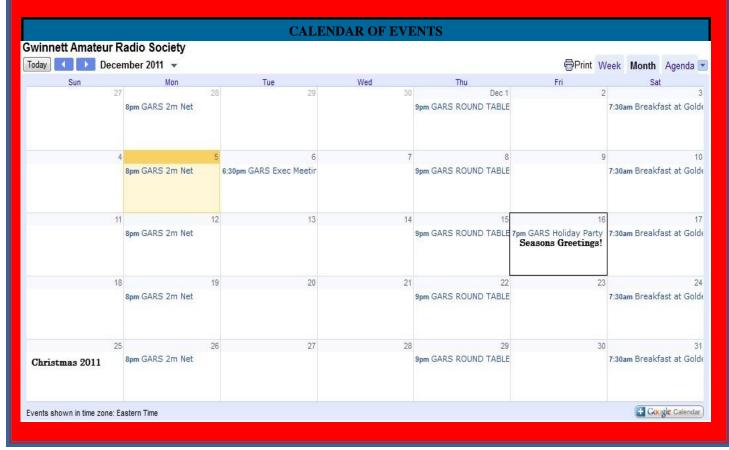
Hal Collier W4IGE, Secretary



#### What's new on the WEB SITE?

- You should notice a change to the user menu.
   It will change when you log in to give you more options.
- ◆ The Apparel link now features PAYPAL to order your GARS Apparel, as well as downloading an order form.
- Are you using the web site to renew your membership? You can use PayPal to renew only your GARS membership or become a new member.
- The ARRL renewal must be done in person with the Treasurer.
- Do you get the GARZETTE from the web site?
   It's in the File Download menu selection in the Newsletter Folder.

73, David KA4KKF



#### **Metro Testing Sessions**

GARS publishes Metro Atlanta VE exam schedules as a service and is not responsible for errors or changes. Call and confirm schedules before going. All sessions are walk-in. Take copies of current license and certificate of completed elements with you to all sessions. Find additional sessions online at

http://www.arrl-ga.org.

#### First Sunday, ODD Months

2 p.m. (Jan, Mar, May, Jul, Sep, & Nov) WCARS VEC Braselton Public Utility Building 4986 Highway 53, Brazelton, GA Roger Gibson, WB4T (770) 271-4210 or (770) 712-9560

#### First Sunday, EVEN Months

2 p.m. (Feb, Apr, Jun, Aug, Oct, Dec) WCARS VEC Johnson High School 3305 Poplar Springs Rd, Gainsville, GA Perry Roper, KO4RD (770) 536-3056

#### **Second Saturday, ODD Months**

ARRL VEC 8:30 a.m. Stone Mountain Methodist Church 5312 West Mountain St. Stone Mountain Bob Varone, W4ETN (770) 978-3179

#### **Second Sunday**

VEC: W5YI 2 p.m. (effective Jan 2012) Gwinnett County Fire Station #5 3001 Old Norcross Road Duluth, GA 30096 Contact: Dave Bruse, W4DTR Email: w4dtr@arrl.net

#### **Third Saturday**

VEC: W5YI 3 p.m. (Except December) Auburn City Hall Council Room 1369 Fourth Avenue Auburn, GA Steve Donellan, N5SMD (404) 520-0368

#### **Third Sunday**

W5YI VEC 3 p.m. Lawrenceville Masonic Lodge 465 S. Perry St. Lawrenceville, GA 30044 Frank Sauciunas, KF4TQV (770) 963-5721

(cont. next column)

## Ham Exam results for November 2011

We had a fantastic day with the ham exam session. There were eight VE's present and eight people showed up to take their ham exams. Everyone passed their ham exams. WOW!

VE's present: Frank Sauciunas KF4T0V Bill Cherepy WB4WTN Robert Sanctuary N4YWR Steven Back WB20GY Brian Page N4TRB Robert Pursley WD4KQQ Mark Fehlig WAGNGC David Bruse W4DTR

Ham exam results:
6 new Technicians
2 upgrades to General

This was the <u>last ham exam session</u> to be held at the Lawrenceville Masonic lodge building. Starting in January, David Bruse (W4DTR) will take over as the Contact VE and the ham exam session will be moved to Fire Station # 5 in Duluth on the 2nd Sunday of each month starting at 2:00 pm. Let's give David our complete support as the new Contact VE.

I have been a VE with W5YI since 2000 when I got my Amateur Extra class license. Before Howie Gould passed away in 2008, he asked me to take over as the Contact VE. Those were some very big shoes to fill, but being a VE was a part of Ham Radio I really enjoyed doing. I gladly took over as the Contact VE. Howie had left me with a great group of VE's and the number of VE's has grown after I took over the VE team. Now that I plan to retire in February, it's time to pass the chain of command to David Bruse. I have no doubt that David will do a great job as the Contact VE.

Thanks and 73, *Frank Sauciunas* KF4TQV

#### **Fourth Tuesday**

ARRL VEC 7 p.m. United Way Service Center 6279 Fairburn Rd., Douglasville Jessie Clower, KB4WFK (770) 942-6466

#### **Fourth Sunday**

2:30 p.m. Georgia Tech VanLeer Elec. Building Rm. W218, 777 Atlantic Dr. See www.w4aql.com Alexander G. Carver (404) 894-2936 acarver@ece.gatech.edu

#### **Metro Club Meetings**

#### **First Tuesday**

Kennehoochee ARC Southern Polytechnic State University Meeting begins at 7:30 PM Talk In 146.880(-)

#### First Thursday

Atlanta Radio Club Georgia Red Cross HQ 1955 Monroe Dr., Atlanta Meeting is at 7:30 PM Talk In -146.820(-) N.E. Georgia ARC Commerce Public Library Meeting is at 6:30 PM Talk In - 147.225(+) PL 123.0

#### **Second Monday**

Georgia Tech ARC Room W218 Van Leer Electrical Engineering Bldg. Georgia Tech Campus Meeting at 7:00 PM

#### Second Thursday

Alford Memorial Radio Club Annistown Road Baptist Church Intersection of Annistown Rd & Spain Rd Stone Mountain Dinner at 6:00 PM Meeting at 7:30 PM Talk In - 146.760(-)

#### **Second Saturday**

North GA QRP Club Board Room of The Shepherd Center at 2020 Peachtree Rd, NW, Atlanta at 10:00 AM

#### Third Tuesday

North Fulton Amateur Radio League Masonic Lodge 194 Milton Avenue Alpharetta, Georgia meeting at 7:30 PM Talk In - 145.47(-)

For more, go to: <a href="http://www.gars.org/">http://www.gars.org/</a>



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#### **WORLD WIDE DISTRIBUTION**



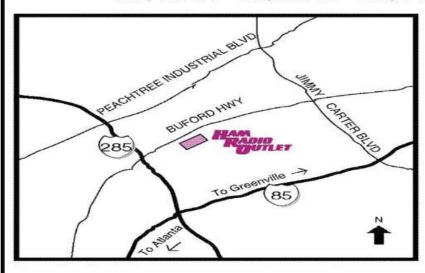
Mark Holmes Manager KJ4VO 6071 Buford Highway

Atlanta, GA 30340 (Doraville) 770-263-0700 1-800-444-7927

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